

1/5

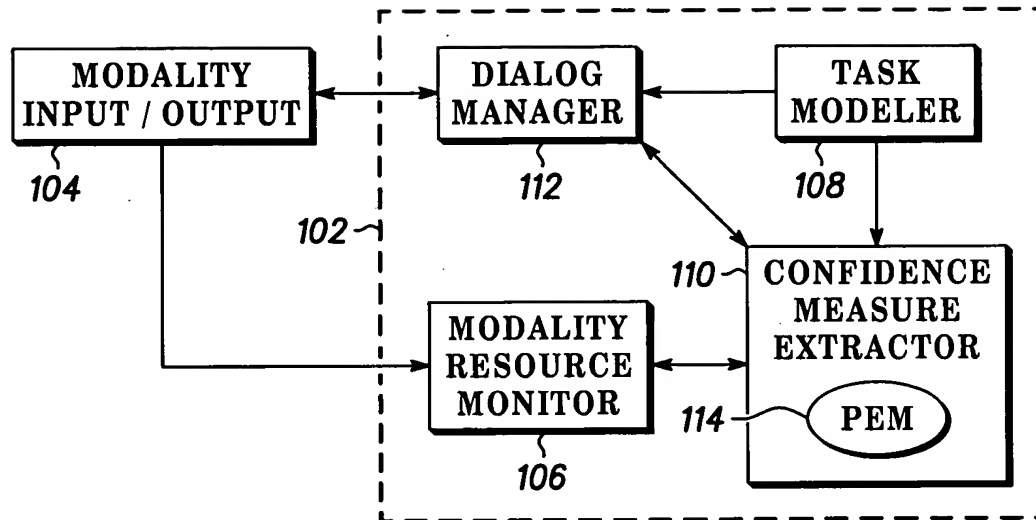


FIG. 1

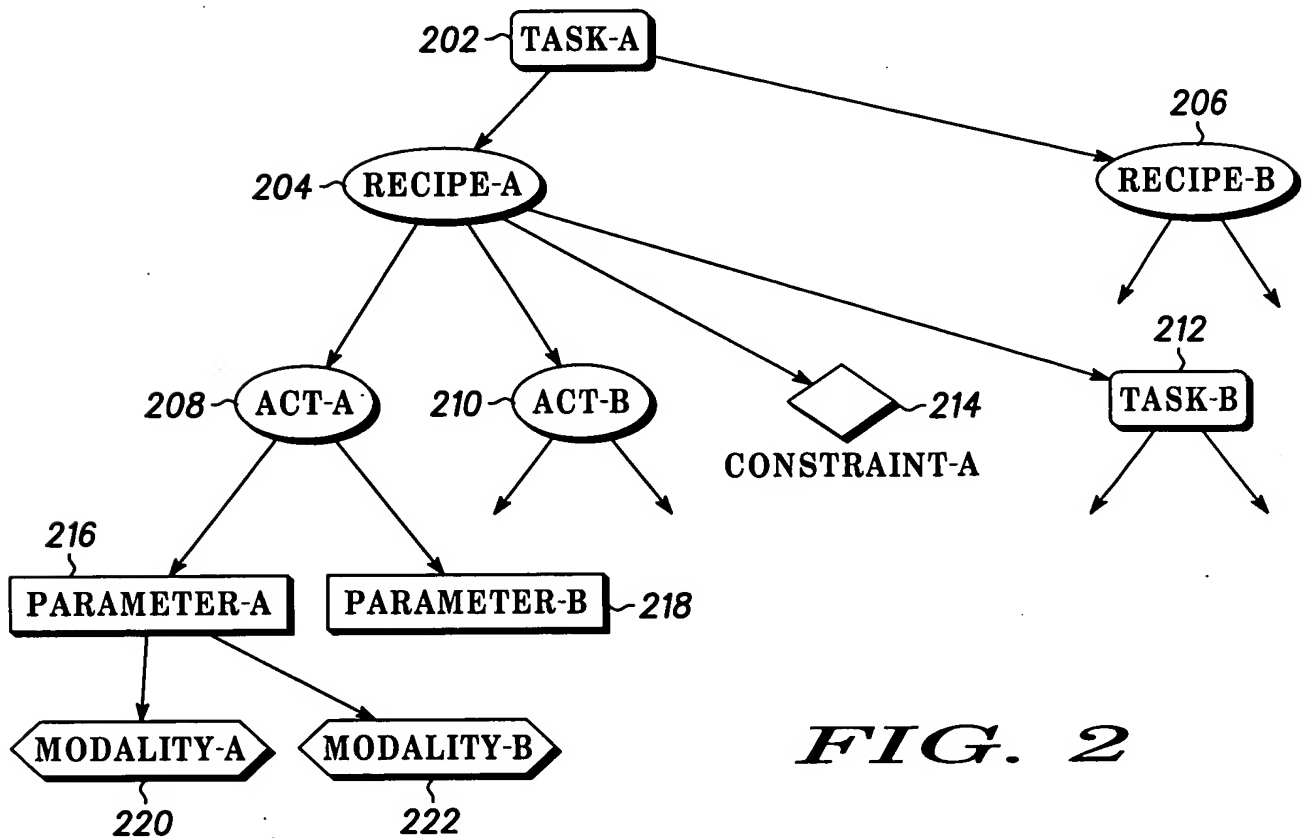


FIG. 2

2/5

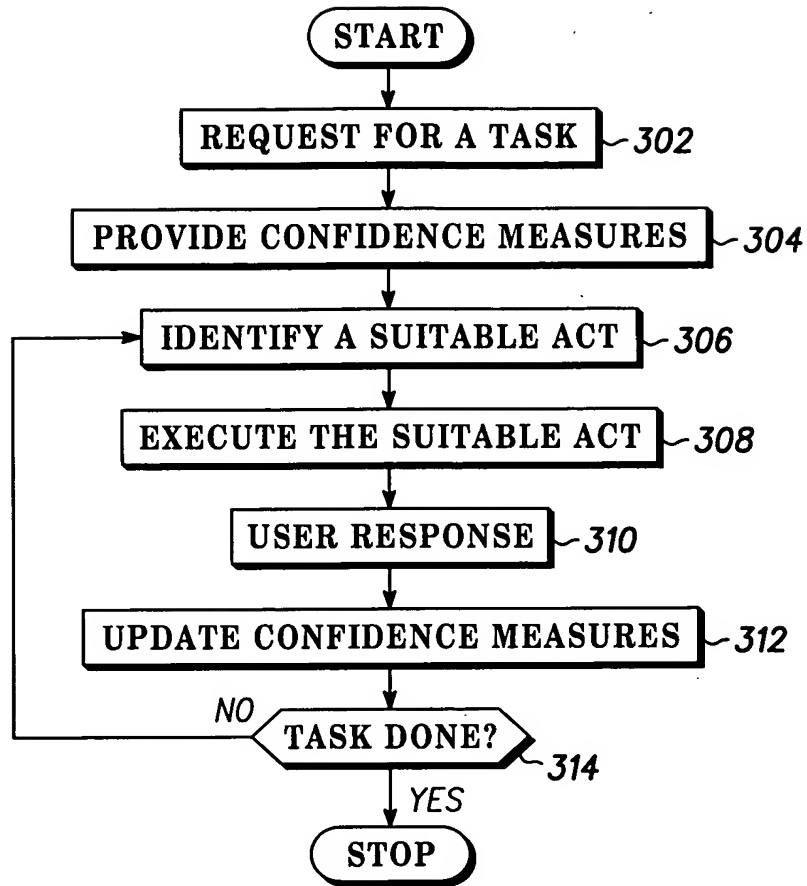


FIG. 3

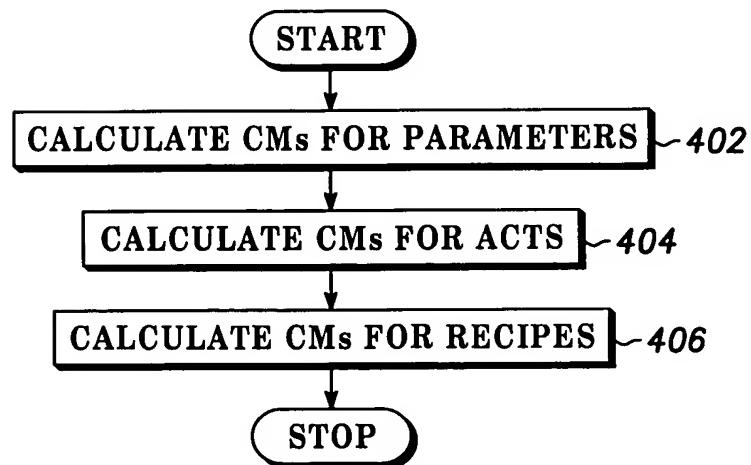


FIG. 4

3/5

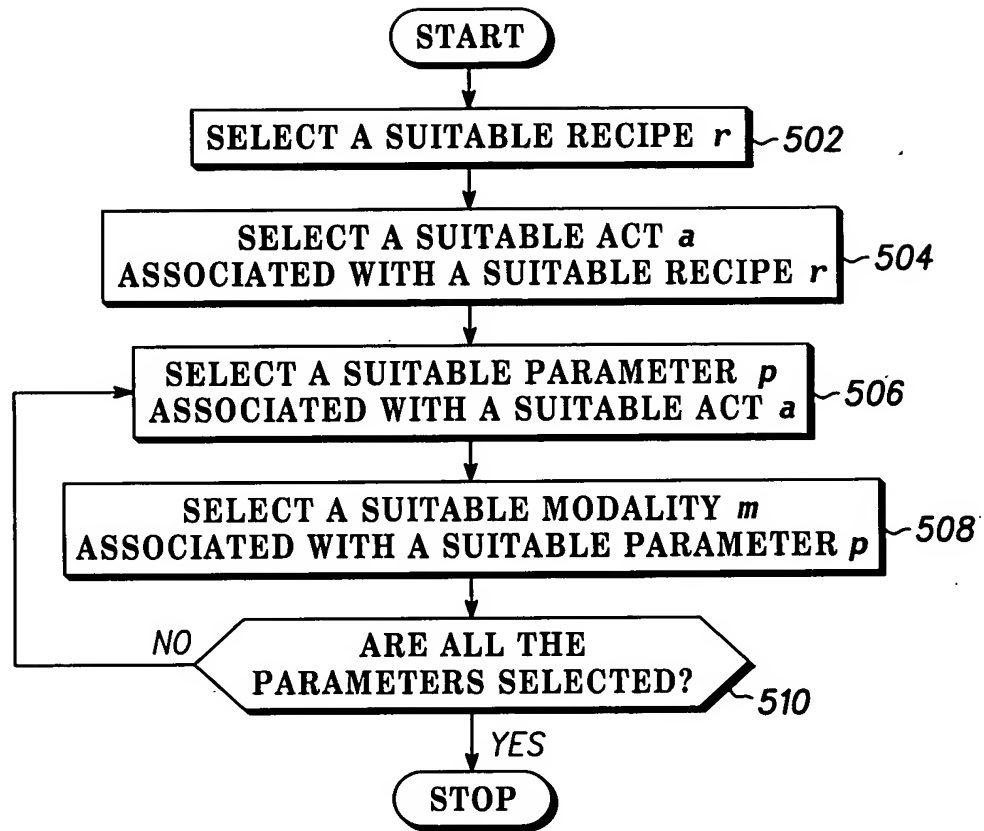


FIG. 5

TASK: FIND AUDIO FILE		
RECIPE 1	ACT SPECIFY_SONG_NAME A1;	PARAMETER STRING SONG_NAME1;
	ACT SPECIFY_ARTIST_NAME B1;	PARAMETER STRING ARTIST_NAME1;
	ACT SEARCH_DATABASE C1;	
	CONSTRAINTS	A1 PRECEDES C1 B1 PRECEDES C1
	OPTIONAL ACT LYRIC_CONTAINS A2;	PARAMETER STRING LYRIC2;
RECIPE 2	ACT SPECIFY_YEAR_OF_RELEASE B2;	PARAMETER INTEGER YEAR2;
	ACT SPECIFY_SONG_NAME C2;	PARAMETER STRING NAME2;
	ACT SEARCH_DATABASE D2;	
	CONSTRAINTS	A2 PRECEDES D2; B2 PRECEDES D2; C2 PRECEDES D2;

FIG. 6

CALCULATION OF CONFIDENCE MEASURES FOR RECIPE 1			
RECIPE 1 $RLCM1=0.85 \times 0.75 \times 1.0$	ACT SPECIFY SONG_NAME A1; $ALCM1=0.85$	PARAMETER STRING SONG_NAME1; $PLCM1=0.5 \times 0.8 + 0.5 \times 0.9$	SPEECH: 0.8 KEYBOARD: 0.9
	ACT SPECIFY SONG_NAME B1; $ALCM2=0.75$	PARAMETER STRING ARTIST_NAME1; $PLCM2=0.5 \times 0.8 + 0.5 \times 0.7$	SPEECH: 0.8 KEYBOARD: 0.7
	ACT SEARCH_DATABASE C1; $ALCM3=1.0$		

FIG. 7